## INTERNATIONAL SEARCH REPORT

International application No.

A CLASSIFICATION OF SUBJECT MATTER Int.cl. (2010487/04, AGIK31/519, AGIP1/04, 1/166, 3/10, 5/14, 7/04, 17/06, 9/00, 9/06, 13/12, 17/00, 17/04, 17/06, 19/02, 19/04, 19/08, 21/00, 21/04, 25/28, 29/00, 35/00, 37/06, 41/00 According to International Patent Classification (JPC) or to both national classification and IPC  B. FIELDS SEARCHED  Minimum documentation searched classification system followed by classification symbols) Int.cl. (C07D487/04, AG1K31/519)  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the International search (name of data base and, where practicable, search terms used)  CAPLUS (STN), REGISTRY (STN)  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category*  Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.  X WO 2002/002563 A2 (AMERICAN HOME PRODUCTS  CORP.), 10 January, 2002 (10.01.02), Full text 6 CA 2413802 A & US 2002/0068744 A1 8 EP 112038 A & US 2002/0068744 A1 8 EP 112038 A & US 2002/0068744 A1 8 EP 2004-323458 A (Nippon Kayaku Co., Ltd.), Claims CA 2061629 A & GB 2554611 A  EN Purther documents are listed in the continuation of Box C.  Special ontogenies of clief documents  No wind the property of the control of the current of the control of the			FCI70E20	7047013243		
FIELDS SEARCHED   Int. C1	Int.Cl <sup>7</sup> C07D487/04, A61K31/519, A61P1/04, 1/16, 3/10, 5/14, 7/04, 7/06, 9/00, 9/06, 13/12, 17/00, 17/04, 17/06, 19/02, 19/04, 19/08, 21/00, 21/04, 25/28, 29/00, 35/00, 37/06, 37/08, 41/00					
Minimum documentation searched cleasification system followed by classification symbols   Int.cl   C07D487/04, A61K31/519						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  CAPLUS (STN), REGISTRY (STN)  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category*  Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.  X	Minimum docume	ntation searched (classification system followed by class	ification symbols)			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  CAPLUS (STN) , REGISTRY (STN)  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.  X						
C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.  X WO 2002/002563 A2 (AMERICAN HOME PRODUCTS 1,2,16-18  CORP.), 10 January, 2002 (10.01.02), Full text 6 CA 2413802 A 6 US 2002/0068744 A1 6 EP 112038 A 7 JP 16-502691 A  E,A JP 2004-323458 A (Nippon Kayaku Co., Ltd.), 128 November, 2004 (18.11.04), 18 November, 2004 (18.11.04), 19 Separate (Family: none)  A JP 5-148267 A (EGIS Cyogyszergvar), 1-19  Laims 6 CA 2061629 A 6 GB 2254611 A 6 US 5478825 A   X Further documents are listed in the continuation of Box C. Separate defining the general state of the ert which is not considered to be of perticular relevance earlier application or patent but published on or after the international fling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention comment of special leasen despecial casen despecial completion of the international filing date that the publication date of another citation or other means document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date that the publication date of another citation or other means document published prior to the international filing date but later than the priority date claimed.  To document referring to an oral disclosure, use,	Electronic data bo	use consulted during the international search (name of da	ta base and, where practicable, search ter	ms used)		
Category* Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.  X	CAPLUS (	STN), REGISTRY(STN)				
X WO 2002/002563 A2 (AMERICAN HOME PRODUCTS CORP.), 10 January, 2002 (10.01.02), Full text 6 CA 2413802 A & US 2002/0068744 A1 8 EP 112038 A & US 2002/0068744 A1 8 EP 12004-323458 A (Nippon Kayaku Co., Ltd.), 1-19 15 June, 1993 (15.06.93), Claims 8 CA 2061629 A & GB 2254611 A 8 US 5478825 A     Secial categories of cited documents: 0 comment defining the general state of the ert which is not considered to be of particular relevance to explication but cited to testablish the qubblication date of another citation or other means document which may throw doubts on priority claim(s) or which is cited to testablish the publication date of another citation or other means document published or priority claim(s) or which is cited to testablish the publication date of another citation or other means document published prior to the international filing date but latter than the priority date darimed.  To document referring to an end disclosure, use, exhibition or other means document published prior to the international filing date but latter than the priority date darimed.  To document referring to an end disclosure, use, exhibition or other means document published prior to the international filing date but latter than the priority date darimed.  To document referring to an end disclosure, use, exhibition or other means document published prior to the international search to be considered to involve an	C. DOCUMEN	TS CONSIDERED TO BE RELEVANT				
CORP.), 10 January, 2002 (10.01.02), Full text & CA 2413802 A & US 2002/0068744 Al & EP 112038 A & JP 16-502691 A  E, A JP 2004-323458 A (Nippon Kayaku Co., Ltd.), 1-19  B November, 2004 (18.11.04), Claims (Family: none)  A JP 5-148267 A (EGIS Cyogyszergvar), 15 June, 1993 (15.06.93), Claims & CA 2061629 A & GB 2254611 A   E Special catagories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance. The document defining the general state of the art which is cited to establish the publication of after the international filing date or priority date datimed for after the international filing date or priority claims or patent but published on or after the international filing date or priority claims or patent but published on or after the international filing date or priority claims or patent but published or or after the international filing date or priority claims or patent but published or or after the international filing date or priority claims or patent but published or or after the international filing date or priority claims or patent but published or or after the international filing date or priority claims or patent but published or or after the international filing date or priority claims or patent but published or or after the international filing date or priority claims or which is cited to establish the publication of after or which is cited to establish the publication date of another citation or other means document published prior to the international filing date but later than the priority date claims or patent but priority claims or patent but priori	Category*	Citation of document, with indication, where appr	ropriate, of the relevant passages			
10 January, 2002 (10.01.02),   Full text   & CR 2413802 A & US 2002/0068744 Al & EP 112038 A & JP 16-502691 A	х		OME PRODUCTS	1,2,16-18		
E, A JP 2004-323458 A (Nippon Kayaku Co., Ltd.),  18 November, 2004 (18.11.04), Claims (Family: none)  A JP 5-148267 A (EGIS Cyogyszergvar), 15 June, 1993 (15.06.93), Claims 6 CA 2061629 A 6 US 5478825 A     Special categories of cited documents: a US 5478825 A    Special categories of cited documents: a US 59call categories		CORP.), 10 January, 2002 (10.01.02),				
E, A  JP 2004-323458 A (Nippon Kayaku Co., Ltd.),  18 November, 2004 (18.11.04), Claims (Family: none)  A  JP 5-148267 A (EGIS Cyogyszergvar), 15 June, 1993 (15.06.93), Claims & CA 2061629 A & GB 2254611 A  **Us 5478825 A   Eruther documents are listed in the continuation of Box C.  **Special catagories of cited documents: document defining the general state of the ert which is not considered to be of particular retevance.  **Commend defining the general state of the ert which is not considered to be of particular retevance in earlier application or patent but published on or after the international filing date  **Commend twhich may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  **O' document referring to an oral disclosure, use, exhibition or other means provided and the priority date and not in considered to involve an inventive step when the document is taken alone  **O' document referring to an oral disclosure, use, exhibition or other means provided and the priority date of involve an inventive step when the document is incombined with the application during the invention cannot be considered to involve an inventive step when the document is incombined with the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is inventive at the priority date of involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is inventive at a person skilled in the error document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed inven			2002/0068744 A1			
18 November, 2004 (18.11.04), Claims (Family: none)		u oi; = 1 = 0 = -				
Claims (Family: none)  JP 5-148267 A (EGIS Cyogyszergvar), 15 June, 1993 (15.06.93), Claims & CA 2061629 A & GB 2254611 A  EX Further documents are listed in the continuation of Box C.  Special categories of cited documents: "A" document defining the general state of the ert which is not considered to be of particular relevance to be of particular relevance to be of particular relevance to earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  Od document referring to an oral disclosure, use, exhibition or other special reason (as specified)  Od document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later them the priority date claimed  Date of the actual completion of the international search 14 December, 2004 (14.12.04)  Name and mailing address of the ISA/ Japanese Patent Office  Facsimile No.	E,A	JP 2004-323458 A (Nippon Kaya	ku Co., Ltd.),	1-19		
Further documents are listed in the continuation of Box C.   See patent family annex.						
Further documents are listed in the continuation of Box C.  Special categories of cited documents:  "A" document defining the general state of the ert which is not considered to be of particular relevance to be of particular relevance; the claimed invention and the principle or theory underlying the invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "O" document referring to an oral disclosure, use, exhibition or other means document published after the international filing date  "O" document referring to an oral disclosure, use, exhibition or other means document published after the international filing date on the invention cannot be considered to involve an inventive step when the document is taken alone  "O" document referring to an oral disclosure, use, exhibition or other means document published after the international fling date on the considered to involve an inventive step when the document is taken alone  "O" document referring to an oral disclosure, use, exhibition or other means document published after the international fling date on rollies with the application but cited to understand the principle or theory underlying the invention cannot be considered to involve an inventive step when the document is taken alone  "T" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "To document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone  "To document of particular relevance; the claimed invention and the principle of the						
& CA 2061629 A & GB 2254611 A    Sus 5478825 A   See patent family annex.	A	15 June, 1993 (15.06.93),	gvar),	1-19		
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "B" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  14 December, 2004 (14.12.04)  Name and mailing address of the ISA/  Japanese Patent Office  See patent family annex.  "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered to involve an inventive an inventive and invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the erri document published prior to the international search  14 December, 2004 (14.12.04)  Name and mailing address of the ISA/  Japanese Patent Office  Telephone No.			2254611 A			
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document refring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  14 December, 2004 (14.12.04)  Name and mailing address of the ISA/  Japanese Patent Office  "I" decument published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered to involve an inventive step when the document is taken alone  "X" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family  Date of the actual completion of the international search  14 December, 2004 (14.12.04)  Name and mailing address of the ISA/  Japanese Patent Office  Telephone No.						
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document refring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  14 December, 2004 (14.12.04)  Name and mailing address of the ISA/  Japanese Patent Office  "I" decument published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered to involve an inventive step when the document is taken alone  "X" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family  Date of the actual completion of the international search  14 December, 2004 (14.12.04)  Name and mailing address of the ISA/  Japanese Patent Office  Telephone No.				<u> </u>		
"A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  14 December, 2004 (14.12.04)  Name and mailing address of the ISA/  Japanese Patent Office  "A" document defining the general state of the art which is not considered to be of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered novel or cannot be considered nove	1			161. 11		
"E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means the priority date claimed  "Date of the actual completion of the international search 14 December, 2004 (14.12.04)  Name and mailing address of the ISA/  Japanese Patent Office  "X" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is the priority date claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family  Date of the actual completion of the international search 28 December, 2004 (28.12.04)  Name and mailing address of the ISA/  Japanese Patent Office  Facsimile No.	"A" document d	efining the general state of the art which is not considered	date and not in conflict with the applic	ation but cited to understand		
document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  14 December, 2004 (14.12.04)  Name and mailing address of the ISA/  Japanese Patent Office  Facsimile No.	"E" earlier appli		"X" document of particular relevance; the considered novel or cannot be cons	claimed invention cannot be idered to involve an inventive		
special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search 14 December, 2004 (14.12.04)  Name and mailing address of the ISA/  Japanese Patent Office  Facsimile No.  Considered to involve an inventive such document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family  Date of the actual completion of the international search 28 December, 2004 (28.12.04)  Authorized officer  Telephone No.	"I." document s	which may throw doubts on priority claim(s) or which is ablish the publication date of another citation or other	"V" document of particular relevance: the	claimed invention cannot be		
Date of the actual completion of the international search 14 December, 2004 (14.12.04)  Name and mailing address of the ISA/ Japanese Patent Office  Telephone No.	special reas	on (as specified) eferring to an oral disclosure, use, exhibition or other means	combined with one or more other such	i documents, such combination		
14 December, 2004 (14.12.04)  Name and mailing address of the ISA/ Japanese Patent Office  Facsimile No.  28 December, 2004 (28.12.04)  Authorized officer  Telephone No.	"P" document p the priority	ublished prior to the international filing date but later than date claimed				
Japanese Patent Office  Facsimile No.  Telephone No.	Date of the actu	al completion of the international search ember, 2004 (14.12.04)	Date of mailing of the international sea 28 December, 2004	rch report (28.12.04)		
I Pacsifine No.	Name and maili Japane	ng address of the ISA/ se Patent Office	Authorized officer			
	Facsimile No. Form PCT/ISA/2	10 (second sheet) (January 2004)	Telephone No.			

## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/015245

		101/0120	7047015245	
(Continuation)	DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
A	JP 7-309872 A (Otsuka Pharmaceutical Factory, Inc.), 28 November, 1995 (28.11.95), Claims; Par. No. [0041] (Family: none)		1-19	
A	(Family: none)  JP 56-110620 A (Mochida Pharmaceutical Co., Ltd.),  O1 September, 1981 (01.09.81),  Claims (Family: none)		1-19	

Form PCT/ISA/210 (continuation of second sheet) (January 2004)

## INTERNATIONAL SEARCH REPORT

Form PCT/ISA/210 (extra sheet) (January 2004)

International application No.
PCT/JP2004/015245

Continuation of A. CLASSIFICATION OF SUBJECT MATTER (International Patent Classification (IPC))		
Int.Cl <sup>7</sup> 43/00//C07D487/04		
(According to International Patent Classification (IPC) or to both national classification and IPC)		

Int C11 C07049	する分野の分類(国際特許分類(IPC)) 87/04, A61K31/519, A61P1/04, 1/16, 3/10, 5/14, 7/04 11/00, 21/04, 25/28, 29/00, 35/00, 37/06, 37/08, 41/	4, 7/06, 9/00, 9/06, 13/12, 17/00, 17/04, '00, 43/00//C07D487/04	17/06, 19/02,
			· · .
B. 調査を行 調査を行った最	ronk分野 r小限資料(国際特許分類(IPC))		
Int. C17 C07D4	87/04, A61K31/519		
最小限資料以外	トの資料で調査を行った分野に含まれるもの		·
			·
国際調査で使用	用した電子データベース (データベースの名称、	調査に使用した用語)	
CAPLU	S (STN), REGISTRY (STN)		
	ると認められる文献		
C. 関連する 引用文献の カテゴリー*		きは、その関連する箇所の表示	関連する 請求の範囲の番号
X	WO 2002/002563 A2(AMERICAN HOME PR 2002.01.10,全文 & CA 2413802 A & U 038 A & JP 16-502691 A	ODUCTS CORPORATION)	1, 2, 16–18
EA	JP 2004-323458 A(日本化薬株式会社) (ファミリーなし)	2004.11.18,特許請求の範囲・	1-19
A	JP 5-148267 A(エギシュ ヂョヂセル 特許請求の範囲 & CA 2061629 A & GI	ンデャール)1993.06.15, B 2254611 A & US 5478825 A	1-19
X C欄の続	きにも文献が列挙されている。	□ パテントファミリーに関する別	川紙を参照。 
* 引用文献のカテゴリー 「A」特に関連のある文献ではなく、一般的技術水準を示すもの 「E」国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの 「L」優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献(理由を付す) 「O」口頭による開示、使用、展示等に言及する文献 「P」国際出願日前で、かつ優先権の主張の基礎となる出願 「&」同一パテントファミリー文献		発明の原理又は埋論 当該文献のみで発明 えられるもの 当該文献と他の1以 1自明である組合せに	
国際調査を完	と了した日 14.12.2004	国際調査報告の発送日 28.12	.2004
国際調査機関	間の名称及びあて先   国特許庁 (ISA/JP)	特許庁審査官(権限のある職員) 關 政立	4C 8619
	郵便番号100-8915 電都千代田区霞が関三丁目4番3号	電話番号 03-3581-1101	内線 3452

## 国際調査報告

C (続き) .	関連すると認められる文献	
引用文献の		関連する
カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	請求の範囲の番号
Α	JP 7-309872 A(株式会社大塚製薬工場)1995.11.28,特許請求の範囲,[0041] (ファミリーなし)	1–19
A	JP 56-110620 A(持田製薬株式会社)1981.09.01,特許請求の範囲 (ファミリーなし)	1–19
	·	
		:
•		
		ľ
•		
		·
		·
	·	
•		
		<del></del>